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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/761,603	01/20/2004	Chou Hsuan Tsai	2011151	4283

7590 02/16/2005

Keith Kline
PRO-TECHTOR INTERNATIONAL SERVICES
20775 Norada Court
Saratoga, CA 95070-3018

EXAMINER

LE, THANH TAM T

ART UNIT	PAPER NUMBER
2839	

DATE MAILED: 02/16/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/761,603

Applicant(s)

TSAI, CHOU HSUAN

Examiner

Thanh-Tam T. Le

Art Unit

2839

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 January 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 103

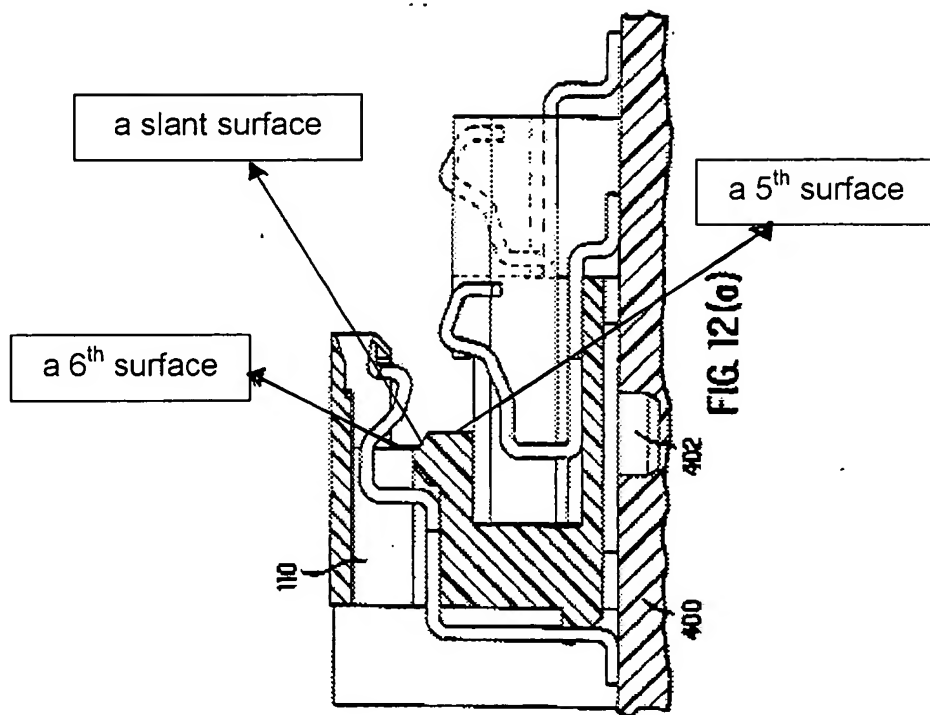
1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-3 and 5-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Applicant's submitted Prior Art (APA) in view of Mizumura et al. (5,836,780).

APA, figures 1-3, discloses the instant claimed invention as shown in the figures except for a card-ejecting slant surface is formed between the second surface and the fifth surface in the connection slot.

Mizumura et al., figures 10 and 12a, disclose a card edge connector having a card-ejecting slant surface (a figure below). It would have been obvious to one of ordinary skill in the art at the time the invention was made to provide APA to have the card-ejecting slant surface, as taught by Mizumura et al. for a better connection.



Regarding claim 2, it is noted that Mizumura et al. disclose the fifth surface (the figure above) is a vertical surface.

Regarding claim 3, a vertical sixth surface (the figure above) is formed between the card-ejecting slant surface and the second surface.

Regarding claim 5, APA, figure 1, discloses the fourth surface is a slant surface corresponding to the slant first surface.

Regarding claim 6, APA, figure 1, discloses the upper edge of the connection slot (11) of the insulation base (10) is formed with a plurality of spaced first spacers (17) so as to form a plurality of spaced first terminal receiving slots (18), and the lower edge is formed with a plurality of spaced second spacers (19) so as to form a plurality of spaced second terminal receiving slots (20).

Regarding claim 7, APA discloses the contacts of the first terminals may be elastically moved in the first terminal receiving slots, and the contacts of the second terminals may be elastically moved in the second terminal receiving slots, respectively.

3. Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over APA and Mizumura et al. as applied to claim 1 above, and further in view of Kobayashi et al. (6,176,725).

APA and Mizumura et al. disclose the instant claimed invention as described above except for the card-ejecting slant surface is an arced slant surface.

Kobayashi et al., figure 8A, disclose a card edge connector having a surface of a daughter board-accommodating recess (11) is an arced slant surface. It would have been obvious to one of ordinary skill in the art at the time the invention was made to provide APA and Mizumura et al. with the arced slant surface, as taught by Kobayashi et al., in order to easily rotate the circuit board.

Conclusion

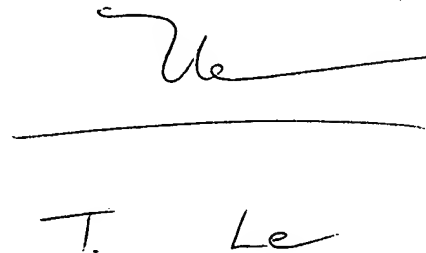
4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thanh-Tam T. Le whose telephone number is 571-272-2094. The examiner can normally be reached on 7:30-5:00.

5. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, TC Patel can be reached on 571-272-2098. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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6. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TL.
02/14/05.



A handwritten signature, likely "T. Le", is written above a horizontal line. Below the line, the initials "T. Le" are written in a similar handwritten style.